

ABSTRACT

A homogeneous fixed abrasive polishing article, or pad, including a matrix of a cured resin coated soft filler material having at least one working surface and an abrasive uniformly distributed throughout the filler material. A method for manufacturing the polishing pad includes the steps of mixing a binder, solvent and filler material together; drying the resin coated filler material; grinding the resin coated filler material; sieving the resin coated filler material; mixing an abrasive material with the resin coated filler material; sieving the abrasive material and the resin coated filler material thereby creating a powder material; transferring the powder material to a mold to form a working surface for the polishing pad; compressing the powder material; and curing the powder material. Alternatively, the abrasive may be mixed with the binder, solvent and filler material in the first step instead of later in the process.